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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/772,260	02/06/2004	Toshihiro Ifuku	03500.017882	4439
5514 7:	590 10/17/2006		EXAM	INER
FITZPATRIC	K CELLA HARPER	AGUIRRECH	EA, JAYDI A	
NEW YORK.	<del></del>		ART UNIT	PAPER NUMBER
· · · · · · · · · · · · · · · · ·			2834	

DATE MAILED: 10/17/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Supplemental					
<b>Notice</b>	of Allowability				

Application No.	Applicant(s)	
10/772,260	IFUKU ET AL.	
Examiner	Art Unit	
Jaydi A. Aquirrechea	2834	

	Again conca
The MAILING DATE of this communication appears on the All claims being allowable, PROSECUTION ON THE MERITS IS (OR REM herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other a NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. To of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPE	IAINS) CLOSED in this application. If not included appropriate communication will be mailed in due course. THIS his application is subject to withdrawal from issue at the initiative EP 1308.
<ol> <li>This communication is responsive to <u>telephone interview with Atty. I</u></li> <li>The allowed claim(s) is/are <u>13,15-19 and 21-28</u>.</li> </ol>	<u> D.Pinsky (10/11/06)</u> .
<ul> <li>3. Acknowledgment is made of a claim for foreign priority under 35 U</li> <li>a) All b) Some* c) None of the:</li> <li>1. Certified copies of the priority documents have been received.</li> <li>2. Certified copies of the priority documents have been received.</li> </ul>	eived.
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this connoted below. Failure to timely comply will result in ABANDONMENT of the THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	nis application.
<ol> <li>A SUBSTITUTE OATH OR DECLARATION must be submitted. Note INFORMAL PATENT APPLICATION (PTO-152) which gives reason</li> <li>CORRECTED DRAWINGS (as "replacement sheets") must be submited including changes required by the Notice of Draftsperson's Patental including changes required by the attached Examiner's Amendra Paper No./Mail Date</li> <li>(b) including changes required by the attached Examiner's Amendra Paper No./Mail Date</li> <li>Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be labeled as such in the header</li> <li>DEPOSIT OF and/or INFORMATION about the deposit of BIC attached Examiner's comment regarding REQUIREMENT FOR THE</li> </ol>	(s) why the oath or declaration is deficient.  nitted.  Int Drawing Review ( PTO-948) attached  ment / Comment or in the Office action of  pull be written on the drawings in the front (not the back) of according to 37 CFR 1.121(d).  DLOGICAL MATERIAL must be submitted. Note the
Attachment(s)  1. ☐ Notice of References Cited (PTO-892)  2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)  3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date  4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	<ul> <li>5. ☐ Notice of Informal Patent Application (PTO-152)</li> <li>6. ☐ Interview Summary (PTO-413),     Paper No./Mail Date</li> <li>7. ☑ Examiner's Amendment/Comment</li> <li>8. ☐ Examiner's Statement of Reasons for Allowance</li> <li>9. ☐ Other</li> </ul>

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#### **EXAMINER'S AMENDMENT**

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1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Douglas Pinsky on 10/11/06.

The application has been amended as follows:

### CLAIMS

- 17. (Currently Amended) A piezoelectric actuator according to claim 13, wherein a crystal orientation degree <u>rate</u> of a crystal plane of said epitaxial ferroelectric film parallel to a crystal plane of a surface of said substrate, measured by a  $2\theta/\theta$  method with an X-ray incident angle  $\theta$  to the crystal plane of said epitaxial ferroelectric film parallel to the crystal plane of the surface of said substrate, is 90 % or higher.
- 18. (Currently Amended) A piezoelectric actuator according to claim 13, wherein a crystal plane of said epitaxial ferroelectric film parallel to a crystal plane of a surface of said substrate has a crystal orientation degree rate of 99% or higher.

## **SPECIFICATION**

At page 27, lines 6 and 7, change "crystal orientation degree" to --crystal orientation rate--.

At page 27, line 20, change "crystal orientation degree" to --crystal orientation rate--.

At page 27, lines 24 and 25, change "crystal orientation degree" to --crystal orientation rate--.

At page 35, line 21, change "crystal orientation degree" to --crystal orientation rate--.

At page 36, line 23, change "crystal orientation degree" to --crystal orientation rate--.

At page 39, line 9, change "crystal orientation degree" to --crystal orientation rate--.

At page 40, line 25, change "crystal orientation degree" to --crystal orientation rate--.

Page 3

At page 41, lines 2 and 3, change "crystal orientation degree" to --crystal orientation rate--.

At page 41, line 9, change "crystal orientation degree" to --crystal orientation rate--.

At page 41, line 26, change "crystal orientation degree" to --crystal orientation rate--.

At page 43, lines 15 and 16, change "crystal orientation degree" to --crystal orientation rate--.

At page 44, Table 1, change "crystal orientation degree" to --crystal orientation rate--.

At page 45, lines 7 and 8, change "crystal orientation degree" to --crystal orientation rate--.

At page 46, line 1, change "crystal orientation degree" to --crystal orientation rate--.

At page 46, lines 11 and 12, change "crystal orientation degree" to --crystal orientation rate--.

At page 47, line 13, change "crystal orientation degree" to --crystal orientation rate--.

At page 51, lines 1 and 2, change "crystal orientation degree" to --crystal orientation rate--.

At page 53, line 14, change "crystal orientation degree" to --crystal orientation rate--.

At page 53, line 19, change "crystal orientation degree" to --crystal orientation rate--.

At page 53, line 26, change "crystal orientation degree" to --crystal orientation rate--.

At page 54, line 15, change "crystal orientation degree" to --crystal orientation rate--.

At page 57, lines 17 and 18, change "crystal orientation degree" to --crystal orientation rate--.

At page 58, line 7, change "crystal orientation degree" to --crystal orientation rate--.

At page 60, lines 15 and 16, change "crystal orientation degree" to --crystal orientation rate--.

At page 61, Table 2, change "crystal orientation degree" to --crystal orientation rate--.

At page 62, line 6, change "crystal orientation degree" to --crystal orientation rate--.

At page 63, lines 12 and 13, change "crystal orientation degree" to --crystal orientation rate--.

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## **Contact Information**

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jaydi A. Aguirrechea whose telephone number is 571-272-2018. The examiner can normally be reached on M-Th 9-7.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Darren E. Schuberg can be reached on 571-272-2044. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

JAA 10/11/06

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